

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (original) Process for the construction of an edition layout comprised by at least one sheet in which is displayed at least one visual element, the information relative to the structure, arrangement and content of said layout being stored in a database in identified fields interconnected by connections, this information comprising information as to the content of said visual elements, stored in a first assembly of fields, and information concerning the shape, arrangement and presentation of said visual elements and the structure of the sheets and of the layout itself, stored in a second assembly of fields, a visual representation according to the reality of at least one portion of said edition layout being adapted to be displayed by means of at least one visualization means, which process is characterized in that it consists in providing said at least one display of a visual representation in the form of a dynamic and interactive display permitting a modification by an intervener or user of the visual representation of the layout (1) or portion of a layout (1) and in that it consists in providing an automatic control between said at least one visualization means (9, 10) and the database (8) such that all modifications of

the layout (1) in question will take place in at least one of its visual representations and is automatically transposed to the database (8) and that all modification of the layout (1) in question taking place within the database (8) is automatically displayed in said at least one visual representation.

2. (original) Process according to claim 1, characterized in that the visual representation of a sheet (2), of a portion of the edition layout (1) or of all of this latter, is produced in a corresponding visualization means (9) by use of a file (12) produced and if desired refreshed at regular intervals and/or under the action of an intervener, from corresponding information from the database (8) and adapted to be interpreted by said visualization means (9) or by transcoding (13) said information, all modification of said visual representation being automatically reflected in said file (12), then in said database (8), or directly into this latter by means of a transcoder (13), substantially in real time or in a differentiated manner.

3. (original) Process according to claim 1, characterized in that the visual representation of one or several sheets (2), of the edition layout (1) or of all of this latter, is produced in at least one visualization means (10) associated with the database (8) and using for this display directly the corresponding information from said database (8), all modification of said visual representation being reflected

automatically and in real time as set as a corresponding modification of the related information stored in the database (8), and vice versa.

4. (currently amended) Process according to ~~claims 2 and 3~~ claim 1, characterized in that it consists in displaying a same visual representation on at least two visualization means (10) in the form of graphic interfaces, interconnected and connected to the database (8) by a suitable network and each associated with a control interface (16) adapted to permit modifying the visual representation, the display of said visual representation being if desired shortened on certain of the visualization means (10) and the possibilities of modification being if desired limited or absent in one or several control interfaces (16), as a function of the quality of the user in question and of the authorizations belonging to this latter.

5. (currently amended) Process according to ~~claims 2 to 4~~ claim 1, characterized in that it consists in displaying a same visual representation on at least two different visualization means (9 and 10), of which at least one (9) interprets a file (12) produced from information from the database (8) or is connected to a suitable transcoder (13) associated or integral with said base and of which at least one other (10), in the form of a graphical interface, uses directly said information from the database (8), a modification of said visual representation taking place on one of the visualization

means (9, 10) being automatically and substantially in real time reflected in the other of the visualization means (10, 9).

6. (currently amended) Process according to ~~any one of claims 1 to 5~~ claim 1, characterized in that it consists, for a given edition layout (1), in providing automatic control of the relational, structural, spatial and/or dimensional nature, between at least two elements (3, 3a, 4, 4a; 3', 4') of a same sheet (2) or of at least two different sheets (2, 2') of this layout (1), said automatic control being preferably subject to predetermined rules and to taking account of graphic criteria.

7. (original) Process according to claim 6, characterized in that it consists in providing an automatic control in real time and reciprocally between all the elements (3, 4, 3a, 4a, 3', 4') of all the sheets (2, 2') constituting the edition layout (1).

8. (currently amended) Process according to ~~any one of claims 1 to 7~~ claim 1, characterized in that it consists in defining in each sheet (2, 2') at least one container (6, 6a, 6') in which is contained an element (3, 4, 3a, 4a; 3', 4') or a group of elements (3, 4, 3a, 4a; 3', 4'), the containers (6, 6a; 6') of a same sheet (2, 2') or of at least two different sheets (2 and 2') being automatically controlled between each other.

9. (currently amended) Process according to ~~any one of claims 1 to 8~~ claim 1, characterized in that it consists, for a

first construction of a given edition layout (1), in carrying out the following operations:

a) associating with all or a portion of the elements (3, 3a, 4, 4a; 3', 4') of the database (8) parameters permitting ensuring an automatic and/or manual selection;

b) selecting, from the database (8), by automatic and/or manual means, elements (3, 3a, 4, 4a; 3', 4') adapted to enter into the composition of a sheet (2, 2') of the layout (1);

c) selecting and/or defining a design (5) corresponding to said sheet (2, 2');

d) selecting the order of implantation and the locations of said elements (3, 3a, 4, 4a; 3', 4') on said sheet (2);

e) repeating operations b) to d) for each sheet (2, 2');

f) ensuring the editing of at least one sheet (2, 2'), of a portion of the layout (1) or of the entire layout (1) on visualization means (9, 10) or the like.

10. (currently amended) Process according to ~~any one of claims 1 to 9~~ claim 1, characterized in that the fields comprising, for a given edition layout (1) information as to the parametrage of the arrangement, presentation, the arrangement and structure of the visual elements (3, 4, 3a, 4a; 3', 4') of the sheets (2, 2') and of said layout (1) are suitable to be programmed and modified by a control interface and suitable

programming (14) associated with the database (8), said fields being structured hierarchically as to fields of respective parametrage of the edition layout (1) in its assembly, of each sheet (2, 2'), of the group or groups of elements (3, 4, 3a, 4a; 3', 4') of each sheet (2, 2'), of the element or elements of each group and of the presentation of the content of each element (3, 4, 3a, 4a; 3', 4').

11. (currently amended) Process according to ~~any one of the preceding claims~~ claim 1, characterized by the fact that there is associated with a given sheet (2) at least one container (6, 6a) as well as at least one element (3, 4) contained in such container (6, 6a) and that there is carried out an automatic control as to position and/or size of the element or elements (3, 4) of at least one container (6) or first container (6a) with one or several other elements (4, 3) of this container (6) or of at least one other container (6a), said possible at least one other container (6a) belonging to the same sheet (2) as said first container (6) or to another sheet (2').

12. (currently amended) Process according to ~~any one of the preceding claims~~ claim 1, characterized in that it consists in associating with at least one sheet (2) at least one container (6, 6a) as well as at least one element (3, 4; 3a, 4a) contained in such container (6; 6a) and in ensuring automatic control of the content of all or a portion of the elements (3, 4) of at least one container (6) or the content of all or a portion of the

other elements (4, 3; 3a, 4a) of this container (6) or of at least one other container (6a).

13. (currently amended) Process according to ~~any one of claims 8 and 9~~ claim 8, characterized in that it consists in providing the possibility of selection of automatic control, either of the content, or of the size and/or position, of at least one element (3, 4) contained in at least one container (6) relative to at least one other element (4, 3) and/or relative to at least one container (6).

14. (currently amended) Process according to ~~any one of the preceding claims~~ claim 1, characterized in that it consists in defining a hierarchy between all or a portion of the elements (3, 4) of one or several containers (6) of one or several sheets (2) and ensuring an automatic control of the hierarchical arrangement of all or a portion of these elements (3, 4) among themselves such that an action on one given element (3, 4) is automatically reflected in a modification of the hierarchical order of the other elements (4, 3).

15. (currently amended) Process according to ~~any one of the preceding claims~~ claim 1, characterized in that it consists in ensuring a memorization, in the database (8), on the one hand of each of the identifications associated with the elements (3, 4) and on the other hand of all or a portion of the modifications and/or the history of the modifications of each element (3, 4)

and of each sheet (2), this in association with such an identification.

16. (currently amended) Process according to ~~any one of the preceding claims~~ claim 1, characterized by the fact that it consists in providing filters controlling in a discriminator manner the access to certain constituents of the layout (1) and/or to certain information connected with this latter (1), this as a function of the quality or authorizations of the intervener.

17. (currently amended) Process according to ~~any one of the preceding claims~~ claim 1, characterized by the fact that, after or during the construction of a layout (1), the content of at least one sheet (2) is placed in the form of a file (12), adapted to be interpreted by PAO software or by paging, and exported toward this latter and that, when a modification is given to said file via said PAO software or paging, said modification is transferred automatically into the content of said at least one sheet (2) corresponding to said file (12).

18. (currently amended) System for practicing the process according to ~~any one of claims 1 to 17~~ claim 1, principally constituted by a database (8) storing information relative to the structure, arrangement and content of an edition layout (1) in the identified fields interconnected by corresponding connections, and by at least one visualization means (9,10) adapted to display a visual representation according



to the reality of at least one portion of said edition layout (1), comprised by at least one sheet (2) in which is displayed at least one visible element (3, 4), which system is characterized in that said at least one visualization means (9, 10) carries out a dynamic and interactive display permitting modification, by an intervener or user, of the visual representation of the layout (1) or a portion of the layout (1) and in that it comprises an automatic control between said at least one visualization means (9, 10) and the database (8) such that all modification of the layout (1) in question taking place in one of the visual representations is automatically transposed into the database (8) and that all modification of the layout (1) in question taking place in the database (8) is automatically displayed in said at least one visual representation.

19. (original) System according to claim 18, characterized in that it moreover comprises means for using operations according to any one of claims 1 to 18, in particular a control interface (15, 16) associated with each visualization means (9, 10) and a control and programming interface (14) associated with the database (8).

AMENDMENT TO THE DRAWINGS:

Figure 2 has been amended so as to delete the non-English text.